

## ABSTRACT

The present invention relates to compositions useful for ameliorating or reversing naturally occurring immunosuppression or myelosuppressive, or side effects of myelosuppressive or immunosuppressive drug therapy. Medicinal fractions derived from the plant *Withania* 5 *Somnifera* that reverse, at least in part, one or more characteristics of immunosuppression or myelosuppression and a process for manufacturing the fractions are particular aspects of the invention. *Withania* *Somnifera* medicinal fractions have additional biological activities including anti-tumor potentiating activity.